

Model No : WDR802

Lanready Mesh Network Appliance – Support 2 Mini PCI Socket (7W each)



Key Feature :

- CPU- Intel IXP42x-based network processor
- Flash-16/32MB
- DRAM-32/64/128MB
- Mini PCI-
 - 2 mini PCI Slot
 - High profile Socket (9.2mm in height)
 - Provide both 3.3V and 5V power source
- Support Real-time-clock
- PoE – Proprietary , 48VDC
- Provides 5V Power Output pins
- Provides JTAG
- Console port with RS232(DB9) connector
- Support Wide-Range Temperature

FN802 is a fully-featured reference appliance for based on the Intel®IXP42x-based network processor, targeting small and medium business and embedded computing applications. WDR802 enables rapid evaluation and development of converged “ solution in a box “ products – integrating Carrier-grade High Power wireless outdoor Mesh Router , WiMax Outdoor Repeater, enterprise-grade wireless access point , Medical Ethernet-enable equipment .

WDR802 is also targeted at general-purpose evaluation and development requirements in support of the Intel®IXP42x-based product lines. The board is fully RoHS compliant and is in full production .



LanReady Technologies Inc.

3F., No.166, Sinhu 2nd Rd., Neihu District, Taipei City 114, Taiwan

Tel: 886-2-2796-8188 Fax: 886-2-2796-8158 <http://www.lanready.com>

Network on Demand Network on Demand Network on Demand Network on Demand Network on Demand

Application :

- **Outdoor /Indoor Dual Radio Mesh Router**
- **Outdoor WiMax Repeater / CPE**
- **Outdoor/Indoor Bandwidth Aggregation Point-to-Point for IP-TV /Internet TV**
- **Outdoor/Indoor Point-to-Multi-Point**
- **Outdoor Surveillance**
- **3G Router**
- **VPN Router**
- **Load Balancer**
- **Firewall**
- **WiFi Hot Spot Gateway**
- **Industrial-Use Wireless Access**
- **WiFi Medical Equipment**

Software and Tools Support

Bootloader	Rednoot v2.01
Operating Systems	Linux
Application Software	Wiligear Mesh
	Wiligear Access Point

Specifications	
Base Platform	Intel IXP 420/425
Clock Speed	533
Serial Port	RS-232 (DB9) Console Port RS-232 Pin Out (for ODM Request only)
Reset Switch	Push-button momentary contact switch
Standards Conformance	IEEE 802.3 / IEEE 802.3u
Fast-Ethernet Configuration	10/100 BASE-TX auto-negotiation Ethernet port x 2 (RJ-45 connector) Auto MDI/MDI-X enabled LAN /WAN : 2 (Support Passive Power Over Ethernet)
Mini PCI	4
Mini PCI Power Capacity	7W for 2 Top side socket
CF Socket	1
SDRAM	64 Mbytes /128Mbytes
Flash	16 Mbytes/32 Mbytes
5V Power Output	Provide 5V pins for application use (ex : FAN Control)
RTC	Support Real-time-clock

**LanReady Technologies Inc.**

3F., No.166, Sinhu 2nd Rd., Neihu District, Taipei City 114, Taiwan

Tel: 886-2-2796-8188 Fax: 886-2-2796-8158 <http://www.lanready.com>

Network on Demand Network on Demand Network on Demand Network on Demand Network on Demand

JTAG reserved	On board connector to connect to off the shelf JTAG CPU emulator
PCB Dimensions	200 mm X 180 mm
Environmental & Mechanical Characteristics	
Operating Temperature	-40 °C ~ 85 °C
Storage Temperature	-40 °C ~ 85 °C
Operating Humidity	10% to 80% Non-Condensing
Storage Humidity	5% to 90% Non-Condensing
Power Consumption	3.84 W
Input Power	48 VDC
Connector	RJ 45 (Power Over Ethernet) , RS232 / DB9 (Consol)
Power Supply	AC Input : 110 – 220V AC Power DC Output : 48 VDC, 1A input
Unit Dimensions	200 x 180 (mm) (Width x Depth)